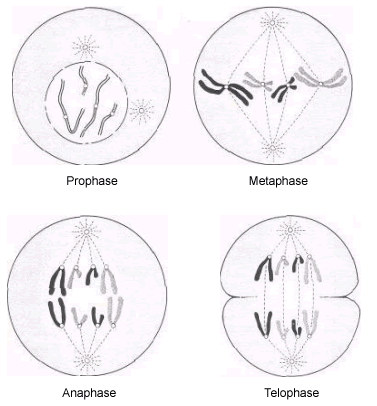
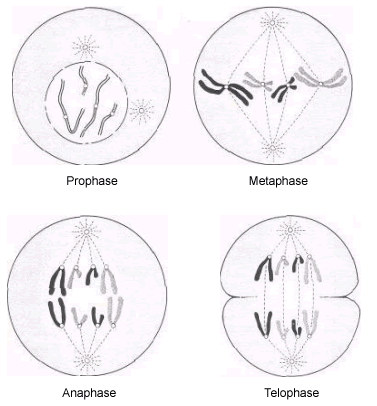
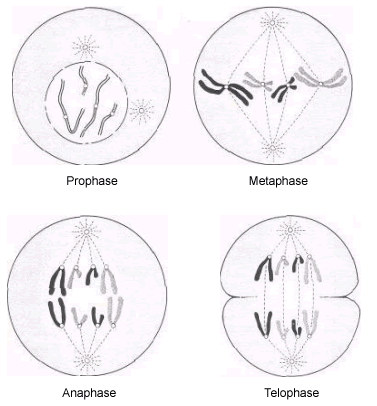
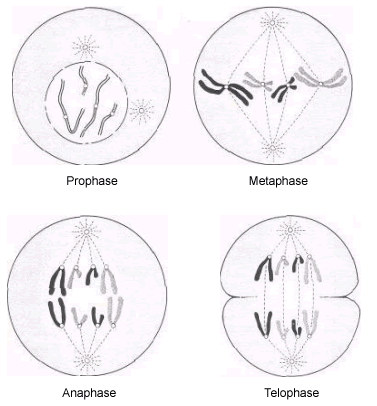
Week 28 Bio Warmups

Listed below are the 5 statements about meiosis. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
| --- | --- |
| 1. | The end result of meiosis is (**two, four**) daughter cells. |
| 2. | (**Gametes, Chromosomes**) are sex cells. |
| 3. | The purpose of meiosis is to produce cells for (**reproduction, replacement**). |
| 4. | Human cells produced during meiosis have (**23, 46**) chromosomes. |
| 5. | Daughter cells produced during meiosis are (**identical to, different from**) the parent cell. |

Place the following stages of mitosis in order and identify each phase.



Identify each characteristic as true of mitosis (MIT) or meiosis (MEI).

1. Produces 4 cells
2. Produces diploid cells
3. Produces body cells
4. Produces different cells
5. Produces cells for repair

Listed below are the 5 statements about the cell cycle. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
| --- | --- |
| 1. | The longest phase of the cell cycle is (**mitosis, interphase**). |
| 2. | (**Mitosis, Cytokinesis**) is the division of the cytoplasm. |
| 3. | Uncontrolled cell growth is known as (**cyclins, cancer**). |
| 4. | Cells stop growing and dividing when (**they enter mitosis, they come into contact with other cells**). |
| 5. | Cancer can be caused by radiation, smoking, and (**chemotherapy, viral infections**). |

Listed below are the 5 statements about DNA. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
| --- | --- |
| 1. | DNA is made up of (**nucleotides, amino acids**). |
| 2. | (**Franklin, Griffith**) found that something in dead bacteria could transform harmless, live bacteria into harmful ones. |
| 3. | Watson and Crick developed a model of DNA after seeing x-ray diffraction images produced by (**Avery, Franklin**). |
| 4. | Hershey and Chase used radioactive markers to determine that the genetic material of bacteriophages is (**protein, DNA**). |
| 5. | According to Chargaff’s rules, the percentage of adenine in DNA is equal to the percentage of (**cytosine, thymine**). |